

Descriptive passages enpired forfileten and Field Wote Book

22 .011

(Oct. 27, 1947 -- June 10, 1948)

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1947 Very Oct. 27 Kis Yurocyasu nun from 7 Lendo Linchono eastward, winding the Endillerg agul in a deep canyon, find for de fachamento the Pampa the spectacular grage ealled El Boguern de fadre abad; after the priest who, ma Ulis wildeness on food, recorded the existence of this grage, saying that this of the Rio Veryali 03 mailes muere ed, it being ronly believed grine joine allaga. On the of his report, 3 hy linglinay was built, a party O vegers searched can before I my the Bogueren, was then brill.

Prov. D. Foral Coronel Portillo Puc. 8°20 ° 5 ? 40 w. Aquaytia 8 35 74/30 W DR. F. R. FOSBERG BOTANICO Muraflaces & 25'5 2 25' W ig hu. Raller. 10 km. 0. 2. 9 ? 30 W

Alberto Aithen ng. Reynaldo Crespo Den. Int. Technico Ginnico

1947 Very Oct. 27 Kis Gurocyasu runs from 7 Lendo Linchons eastward, winding the Condillera agul in a deep canyon, find for de fachamento the Pampa the spectacular grage ealled El Bogueron de ladre abad; after the priest who, many years ago, traversing This wildeness on food recorded the existence that this river entered the Rio Veryali drainage, Ling they, his remailes mucie ignored, it being that the river joines thy Herallaga. On the basis of, his regart, when the linglinay was Being built, a party of surveyors searched Der 90 days before locating the Bogueren, through twenty vad was then brill.

Land Martinel Portillo 3 1947 Pen 2 Oct. 28 - aquaytia, 8°35' 5 V(10) Rio agreantia Weedy roadpide in jungle, with wandy Salvice and ving, climbring is 28869 brush; flowers hohite, weeds, bank 70 Clidemia graciliflora Huber (det. Wurdack (1968) should on lalf flowers while; fruit steets bank with tricket - blue-black. 7/ Leandra secunda (Don) Cogn (det. Wurdack (1968) rife fruit blacks. steep bank 72 Paspaliem conjugation stoloniferous sterile to roadside, common erect; planer white. 73 Borneria lacrid Lam.) gride. grave, sterile roadriel sving; flowers searlet Vassiflag common, weedy roadside yellow yellow small tufty enert, 5 1.5 m. tall. weedy wadside l'aspalum common, steril vadride Lycopodium concum L. abundant locally on vertical wet sandy banks 78 foldnum schlechterdalianum wolf low, tranched, weak should, flowers weedy bank out. 4. Altis white, berie, black when ripp.

Liver - Cornel Portillo 5 947 Pen Oct. 28 - 20 frm. with ~ Pircallpa, valle, 740 415 weedy wadride in cleaning in wet front erect, glancour, rel-- smelling: in plain. Porophyllum nucle al acromman. Croton very common weed weedy brush. Faden -Opt. vo - aquayta to bergia may nifolia Pucally one one. may be seen as far the country between as Lan Alejandis, agreenting and San alefander as also Constamines through relatively flat. cyrymlora and Coznic is a dissected alliving trena quandiflorg, plain with seets the latter two being only ravine, and feat seen in cut bankrand topped ridges it is, covered with thick only amall grants. Of Evenibrena, no wet prest of tall plant was seen large trees, typically in chapid, cenough to flower. It - would be interesting but of rather cerem to know where the beight, without me recels come from, true canopy is former The soitteni fa l'alms of one or truy him. contains perfecte. al gerarinal. and is nothing gravelly The cleared edge, filled with Config. on, the country flatten onet much more, and Otherny et and dense

firety - Coronel Portillo 7 1997 Ken from here to firma. most becomes les fablily Whee they are cut, attict layer of controlled material may be seen. Then all well disappear. The frest become my and more filled with palms. Alterest 10 bills. may be seen in this stretch, including very ruely, Desmirchus. and a few rearney banavas. are tristriced in clearing. House are made of - spreit fraem Trunks, Watches with fraem Care, the forest thing out. It has obviously been cleared at one time. The Rid Ucayali is about 1 km. will here, very muchely running between banks about 8 m. Fall Lumber, mainly cederal and carried, is quartities of gule with

6

Loveto - Coronel Portillo 9 1947 Pen Oct. 19 - Pricallya, in the det molderly Stackytarphets australia moldenki erect here, up to 1 m, tall, det. maldenere - flowers purple. gr folanum lyerpersielt, L. sprawling hert, placer yellow; fruit subglobose o carinal 3 cm. across, red when 33. Jinnig branched berl, occasional 0.8 m, talk, nays realet above, frink - be neath, branched here; flowers 84 Helistropium indicum L. lavender. common Oct. 30 same 85 Clitrea places around settlement. ving trining or mend tall weed, and trusher occasional weedy, radialy flywer lavenell. event here; Thorowers 36 Cozmos dull frints. occasional weed, madside. malachia alceifolia Jacq. det. Frysoll. ecet berby 1-15 m. tall other seen 2-2,5'm.d. flower bright yellow. radide heads whiting when 39 Cypeus diffurnis mature, wet roadside, commen erect, basal frant of sen and roots much thickened with white strong y acrogenous tirrue, petals yellow, 2-3 m. Com

Breto - Enous Portille 1947 - Pen 10 -reve, somewhat Mandevilla 1879 na in (Cricket, miley, flance. yellow unth -ed ling in the want in center off each low red effect of each sinus. 92. Cissus in Thicket wing & confring in buste panice I tall, and flowers - yellowish led. 93 Palicones
nae in Chickety - I have 4 m. tell: ile your and from - fright for tol. gy Polymon in thickiet: · Le mi - eldentent should flowers yellow, actenes of cen. 95 Lasiacis plant, Tung cas, 1.5 m. rad in Unichets ing G: sprincet, purple. 96 Helicoring bells up to Im. tall Cornmon in Elichet fracts ned flowers years. 2 est clumps 93 Talinum paten common locally near house ener transled her m. tall, leaver gleiby, flower shaw -Marin sur but 99 Digitary common weally in quicen. i glancora, 23900 Lygodium renustum Sw. det, Lellinger, 1975all seen steil, mandent derharm weed in Ever well over field Of Widens polong dish yeliow, any more. common weed in ourse field or Emplying fints

Cornel Partille 13 1917 - Pen orcasimal in franced field of Playsalis contract locally in bound from much baneled liel while I made the comments flowers of sele yellow " the lappulaces (1.) Bors. Met mullenke de Cypenier new reced in burned field I carry of marking. 07 fortulaces of acco or concerned week in the way from 13 Cyperon 89 Clearing made of Lagrant 10 democking The weed is themself !! 11 Chystanther -1scolecter, west to be 12 Inchance availant west - town in -yere exercise. - - Yere La transfer of the same of the same of and the Kenney of the second. Flerrers to The way we have the second and the same of the same in the state of th . branched somewhat glaveour flower, jedy will, personal of the service of the servi berb 1.5 m. tall; flower common among their in orange-yellow

Enets - Cornel Partillo 15 14 1947 - Heny Cordia Corymbosa (L.) G. Don 78914 - hull- 1-115 m, tall. flower whitish; whe - Bruit ed. 17 annova tessmannin Diels det. S. Smith comment le in thicket Ceaves with a mati beneath; flower: wix covolly very freely -quenish yellow. vine, very lactiferous. thisteets.
Cording ferruginea (Lam.) HB.K.
common in Girlant, flowers greening wholite: - Thirt in mater sice, flower, white around frig-part, ct. nov. 1 - same 71 Commeling prostrate will franchet radido ascending; flowers flue with one potal smaller and paler. n fatropper gorsypiifolig in door fard, doubtleis planted. shrub m. tall, young growth petioles, under sides of leaves, etc. del fourthe, later water, abundant flow trains with green tips; flowers ned, fruit green. "frinan maada macerated in water, Let stand over might in open, then taken as plurgative.

16 1947 Peru Converse Portille 17 dichotoma R+P. det. Moldenke 9 mattach to the Constation moldente Lat. nortante evel much franchise common along radoudes Cide mitall. flower lavent of Hobiscus radiatus Cav. det Frysell a tracela - mps to 1 m call I plated in grader liver deep payer where in early. Mod- 1 - 5 tam. as inf place along and in second with and in somewhat eggs 17109-120 out for wet freet, ... much growin to circum. 14 Jatropha carear ochundant in fency. when I am. Texto. contex water, down mall green freding eater was I do outs, inde trouted as a for galine no creasing in underg . It. End with it in. Call. reards in I spring randes. occasional in undergrandly cargitary, not evith slight gings weln when brokela, cames elafy or 25 m. tall. flowering branches from basics, bracks 47 acgophila elegana thick whole growth stender thrule 2 3 m. 20 Loleinum in Which undergrowth evert, feoretic deeply -mgo 28 drang red seeds in Whicher used for necklacoc

Linets - Coronel Portillo 1947 - Hem 20 diang; furit any. occasional in under quetto derparing lepidantha Pirk, act. ilcode, a land to 4 mital, mit quely order presidely of lemon mixed with of contract. 41 Psychoting orcasional in moderny out should in call. buds whitish infer fruit ned (mostly inneta) Visited Jose M. Lebrunke His wife an I quite Merrian collector of negro-Indian intite insects and other amounts. - mixtury helps tron also plants. He is gemancollusiastically. Both, Indian. It's father ale collect will adidite collected and tanight to but with a throughly what he knows. He lives commercial viewferint. in a palm thatily burne I took plantes of a horned just out of Pucallya. criebes they found at but har lived in I fruiting Tundy hitelions in and the years of Porce: felicinia Meaning trach. It originally from Chardeney This country around at 10 a.m mor. 1 felt turally has been a strong conthyriake. It largely cleared mat ground swaged for heart lityred out the several minutes quite moliceably. Muslamage Hoe in some sugar care. -was done have, as the fallen house are not at all They burn the land, making susceptible to earthquake at ever musteril. damage.

Rocto - Cormel Portilles 23 1947 - 1-Em 22 olong Riveryale just er jelgetominated og hengesterie gran above town silt flats and bluffs Arlancem. mall till y m. tall; common inthictet. leaves both afringand sprolen flower west fading to thete. 43 Englishia To take, fruglish green. common m bal ground 44 Cypens - builty to y i mitale. 45 Pilse indonyand prisible persisting from forest showers white 46 foldnum in thickets along story white; finit of 47 Calician not common on low riva bluff 48 alternanthing postate common along lowiver-Ludwigia affinis (DC) Hara nare on low river bluff flower, whitiely. 50 hipping 51 Physica luteola (Jacq.) Benth det. ming turning over glowers white sife 52 foldnin nignen rare on love liver bluff - fruit black, glossy! 53 melothria pendula L. brief dearly green.

Lanto - Enrarel Fatille 25 24 1947 - Pen Corce Europe Corremon on low river betreft, 55 Lesbouring sollow strub 3 m Thall; Alver, yeller -rare, in edge of water, Andabe on de grand france mantred with Tournefortie becolor Sw. Trusple-black. low of ending busher, 1-m. tolf; comming annil Trickly of wate. flower white, frequent. 57 Cirro Sicyoides L. dut. R. Liesner comment Contlictet mus flowers total frances. 58 Eclipta much branched treely contrar dans depressing heads werter smally than common for Eally 5.9 Land Cipping alba (Mille) n. E.B. del. moldoule erect sufficient here, flower, lavende, rare on grassy flat above river.

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Losty - Cornel Portillo be andly we are al, Willows not seen winted with Europia executatedge. In places facus of a take (ajé a ojé) and sere al other tree, begin traffler anny the cody ing. rollection recen thereon and A or commen esta on abandoney fra ener. forme clearings the derotes & bahanan, glastain, grey, and maige. The Ahusa is affaintly not servinely damaged by temperary flooding. The soil is a dark gray under the dead leaves, rapidly lighten. ing dramward. 1/2 a Alle course piale selt. Very sticky which would are opened or return cuts and inagle drunt to seens. Evanous Cedrela loge, 1-1.7 m. thing, freing taken out. aguaje fruit of a felm corbed and in trats.

Livels - Coronel Portillo 31 19-17- Penn 30 1. V Nov. 3 - trail Oct. Prience Chine 80265. V 14/ 74031' W. and hatilerlad I wallfille 10 hm. s. c. of Pucallya Rio Mayuli thick wet forest of tall trees on flood plain of more ving flower greening. small tree 5 m. tall Lar - Wit El Mina ! bale smooth, at time, verasional file ling completely when feelily pecked, of a smooth execuity lead color, becoming addish, burn. Collecties seen very "capinona" word used for construction and for chargas. 63 Palicomes Cocally weak struct 5 3 miles, almost vino-like thyracs deep orange, darbening to red when in fruit, plower musty yellow, turning dull red. Fruitimmate vine trailing in little. are on ground, felal, rose. (firme was followed for -several in, always leafless till lost in undergrowth (1) Campomanesia lineatifolia R. T. De Vaugh, planted near dwelling tree 4 mitall, flotorein notite. "palilly" formit eaten said & be large as an egg or lange

Commel Hartille 33 1947 Pen 32 28966 Hamelia OxilARIS Sw. det T. Elins 1978 common in undergrowth should and all flower motion campanulal with several love, fruit immalue. nov. 3 - Partamillo about == 30319 hm. above Pueally , 74025 W. Viagali silt blogger banks down niver level, of temes. inundated cet flower white. 67 Borneria 68 Mecardonia procumbers (Miller) Small det. R. Liesner flower yeller. com my Mov. 3 - Minaflorer logging camp 8265 30 tim above & wealthy 125 74° 5 W. lam. e. of I wealfra on Kis Mayali Tall wet frest with relatively sparal undergrowth 69 Gesphifts Jananineas. est, florer, white. very common carpetring grand in open sprace, according, beare, deep rare in small appenings in fruple beneath,. 71 acalypha ordergionali shub 2.4 m. tale differely growth much targer culm ench. orcasing in undergrowth

Lete - Lorent Porties 35 1947 Pera 34 - planet - m. Call or excinat in undergrowth where the series in Early, 74 Prychotring flower white. common in redergant the mother place 75 Kolanum occasing in der will white, walls sliff, wany. and of your tall, - as in wide grantly frait quee. tree is from call, fruits 7.7 Ficus y sen, stripes with las Common maron and. " "ojé n'aje Sommera sabiceoides Sch. det. Kirkbride, 1977. weak about an . Talf, flower white. low weak hubble take 77 Piper common in range grantly - sur few were that year. 80 Diverse climbingen base of The Mov. 5 - Puerto Loreto (La Germany) r terraces, the first " " m. 7457 W. above water and endering, Rio Wearyali Here are broad bars of newly Weedy telraces of silt + 50mm, (4) 31 Elephantoffus 32 Hyptis aromatic horb in tall; on second tenace 4 m. above water florera Carrender. herba # 1.9' m. tall 83 ambrasia local on first terrace, vm. above unter deposited sit, enrered with grass slightly older onts On outside of curves river is underentting jungle. with Terraria, then fyrerium, then cecropia. gull-like birds with long yellow bill apparently

as tea, with continue range.

Isantain, modure range.

for yologo, -aid to and and

can also work to and to and

can also work to and

can also.

Cachardi ahandonia in agus idiente a inic or aphrodisiae. Incomignous grass which combined

Trasted treas Toff covolide ground to provole for leprong give through bath with wal, water then whole body, faid trabant what can as the disease.

Remoceasfi Tree from which cance public and public and public and went with and to come malaria.

Citaragui is brown bythe prolimn to be the try from at ing the cerry ants, cetangui, obtain a substruction of is the field the cre tade injured anti. Later attende instructers engly, anantizing wed, a munde of atther guthe, a mondard applyted Lubstany. The all actually. It injury cent waller crown with med. It be in hot quite cured, the process in refrented and it in confirmation to top entirely is the ingress of

Castilla 1334
Magdalena Mar addres of David Soyle also Carlamana
also Carlamana
and Chrickayo

Santity send freimen. To farsafailly, and various other plants - clove substitute, canella, etc. and brites of alligators, etc.

freto-leagali 39 1947 Peru 38 7539 Mov. J. - Tiruntan. ansund. Rio Weagali 7456 W around edges of village on vega of niver, about 8 m. above niver level flower of remise white, fruit immater 8984 Chrysophyllum above river 85 Chrysanthenum semi-prostrate; heads mes edges of muddy stream. - greenish. large spreading 86 theorphus tincturis occasional in shallow tree with drooping tranches, some appoint Javens spring. love compr 1 m. tall 37 Lileria occasionestin edges of Thicket, har a 1. 5 mg. tall, anomaliz. 88 Hyptes occasional in edges of thickets flower Eurender. weak bel, flower occasional in edges of thicket white. heads pale greenist. 90 Spilanthes muddy growind, in open flowers white, ife 92 néed divaricata Frepp. Endl. det. R. Liesmer 1983 furt and. Itues is on tall; rife I fruit frugele. 93 folancem -shrub 2.5 m. tall, will strong disagreeably often ground in village odn; flowers green; - fruit said to be poisoner, . 4 94 Bunchosia glandulifera det. Anderson Unichetz small tree 5 m. tall, flowers yellow, fruit purple when right, fleshy. "circiely de Cheng" eaten.

Lorets Ucayali 1947 Penn 45 44 vin, flower white Evolvulus absencedes (L.) L. det. austing 1978 29010 correction bank above river hech 2 - 2.5 milal Helicoria - 1. leaves a set inflorence oranin al wel, be elent, whichly twented, red, lact, ned with yellow some gins! ving planers I promoea (the which deep ogellow. Almost commence on a sound townsel from an and climbring or plicate & frame anther recol, both on exposed Lawer geenish bank and army come. D. Wasshausen Mendonica hirsuta (Poepp. + Endl.) Nees det. commence che offing OV. Car. viry formere fall greenest. corners, elimberry on wing frent queen we plant seen in fruit climber of on course at this time a grucen In an open place, seedling and was friend gravin of lee office were very a broke inthe upper abundant, up to about end of the internoder. In im. or a little more, tall. a plant slightly older, The amalle our a queen was freend bud the carrier filled in each internode tollow will, fully and very The wings were still zmall as they receled fresent on some but a little over on. the apparently a colony in each branch. Indi cavity became larger and the fitty disappeared,

Loreto - Kenyali 1947 - Pern 47 69415 Mov. 7 - Onellana, Ris two distinct flood plain levels her the bighter 7505 (1) Magali . of exerted by comments. weeky places a ment -village 3 - 6 m. alove vata 79016 Elevalendrum fagrans var. det. Væde planiflorem belan. noldende carry & pring consilla fretid. sprawling shrubs 2 m stall parameter. 17 Lantong camara L: flowers or a rige turning red; fruit fleshy, Ecad. coloration rigg. struct 1.5 m. call, 18 like aduncum spiles arching. local 19 Malacha ruderalis Sürke det. Ermmin herbrufsto, m. tall; flowers brutte, - yellow "malra" no derpus (a Cype 1) stems to ete local in wetting places herb, tending to be seandful, plower white 71 Solanum against dwelling polobly planted. low-shrubz, flowen while, fragrant. W Jasminum pubereans 23 Panicum laxum Swarts det. G. Davidse 1978 along wet grandine 24 Cyperus 75 gassy places along wet Traving 26 Cyperis grany place prostrate, flerwers yellow vi Citrullie* Cucumis anguria L. grassy places flower orange- reller W Lidg hombifolig

foreto-Ucazali 49 1947 - Wem 48 erect bent to 1.5 mi ferning sile ien last, branched follow very com non - ve printe, livere ey ina on. Mrs. 7 - Florencia, Ris Wagati 6 45 5 30 Lolidago chilensis Meyen det. L. Cua trecasas event herb, to 0.7 m. flowers yellow. common should 1.5 m, tall, 31 fatropha planted flowers red, later water, (note compound stipula) small tree 4 m. tall. 32 Lambueus flowers white fruit limmature. "sauco" flowers planted used medicinally for grippl. 2) Ocimum opentanear landmatic herb, flowers lavender albaea used to flavor fords. large spreading tres 34 Huna crepitans on bank of river with thinny trunk dark hed. "calabra later said to be prisoners on contact, especially to eyes. used as fish poison. Field said to sink when billed by this greant. nov. 7 gran, Ris Kayali 635 9. 35 Muntingia calibura
planted 7508' W. tree 3 m, tall, 2 dm. Thick, petals white, fruit immature 36 Cypeus berefolius heads green.

foreto - ucanjali. 1947 Penn 51 50 6405 Mov. 7 - Eastaling Ris Capile algiphila feliples mart. + Schan. det. moldente flowers whate: . rife fruit red: trok not. "chiapa sacha" sijoh used medicinally. Hee bank cloth, in in use as alcepting mate cte. It is very coare and thick, celle! jantani made from plant of same nume. (Work. Chapping tindenia the frest in his part of the nine in places appears to have been destroyed at inne Meri . 3 Lagarto, Rio Magdi: 5537 time and not to have recovered complete around edget of clearing 7435 6. in forest. erect herb to 0.8 m. carolla 38 accepias curassavica L help, m, Tall, florerer common in cleaning 39 Cassia occidentalis yellow. common in cleaning shub 2 m. talf. 40 Puper also edge of cleaning tree 5 m. tall, dm, Thick - fruit immature prostrate edge of cleaning v. common in cleaning det. D. wasshausen 1919 spiles ereil; flowers 43 Blechum brownii Juss. f. puberulum Leonard 2. common in cleaning shrub 1.5 m. tal, nather famla Maria unpleasantly aromatic. common in clearing to y m. in vers, blowers white. 45 Cordia ferriginea (Lam.) H.B.K. L.

freto ucayali 53 1947 - Penn 52 79046 parasition lemm tree ened flower greenish 47 Erestites hieracifolia (L.) Raf. det. L. Cur thecasas horfan Rogere, across from Lanta Rosa, Ris Wayner 5050'5 7425 0 around dwelling in 120 m banana patch in frest along we low bushy had. Alowers 48 Recelly malacosperma Greenw. clear virlet. bushes 1.5 - 20, tall, 49 Parthenium Stowers - white with stack anthers, fruiting bead fleshy black. "hudea" used for poisoning fish. Mov. 9 The part of the river near I sla de l'innagua, above san sen della inon has frest of slightly different appearance. It looks as though it trad been dogged out, leaving a few species of trees, and filled with seemed growll. Vines are more abundant and also a number of kinds of palmo. Salix is still evident but infrequent a common only very locally.

54

The willagerand carain have about the same ferra Orth weed and cultivated plants. In addition they are much, a per plants persisting from the original frest Cult. plant Margifrey indica Carica papaga Spordar op. Mura safrication Mura paradinaria Psidium guajava Zea mays Mating peltata Persea americana antosayur altilis hambrens annona. nga Grassies oleraces Phaseolus mulgais Lead core Only a sation Capsierer fruterens Capsicum annum Manifort escelenty

Lore to Weeds Experies 3 sp. Dermodium = 1/2. Spormen : 1/1. Perfection conjugation Chareotusa Vigna (2900, 1(2895)) (ifrer (peltate) Digitaria + about 4 the graves Carring orecidentalis auchian curasavica Spilanther Circhones Priva aspera Crechtites Parthenium Blechum Ocimum fatropha creesas Leonius silvinieres ambrosig malachra 2 2/1. Lida hombifolia Chlory, Erynquem foction Chenotpodium ambrosivide Eclipta alba folarum nigrum Croton Hyptis Chrysanthemum Englasting 3 %. Physali Eleusine indica monording charantia

Lorets - Reguen 57 56 1947 Rena Wet flood-plain, award 5° 35'5. 74° 3'W. trees of mangifera Lyundear, etc. commen. Several dense fatches cultivated patches, mostly of or seedy warety at Musa, and along paths. breadfrit, grown to Weed regetation buscuriant. myriads of seedlings beneath. Ingar cane. teaver and tract Cypeus , whitish be reach. common along trail Digitaria common along trail 52 Panicum emma along tail plant prostrate common in omne a lesse shaded places with ever tips; leave fleitry; pedunder e ett; floren white 3 parted, sym metric. thick counti, flowers white. near houses, probably planted sect, vips aching. 55 Larfrendig hypericifolis glande white, common along this erest here, with 56 Fleurya interrupta stinging hairs but common along trail not violently so. branched hard every 5 ? achyranthoides (H.B.K.) Mog a arcending with decumbert last. extensing herbacery 58 momordica charantra L. vini, odor unpleasant: common along trail flower yellow fruit ned, fleshy

Lorets - Reguen 59 1947 - Pen flouren pale lavende Priva lappulacen (L.) Pero der. moldade. floring deep yellow. local olong trail in herbors m. (all heagh 61 Bidens greenish yellow. common sterneytre late: 61 gercardia common, earpeting of our leaves and produndes evert; flowers white. in shade. fruit black, juicy, julp greenist, antho cyanin only just under skin and in mediately around stone, these almost flat on inner zurfrage. 94 Li Passiflera, along trail Istersive harbaceery virlet, calyx grale green veined with rose, petal pale violet corna there wiret banded with white in basal Call, anther and stigma gellow, filamenta green, tyle styles purplish, ovary and gynspluse white.

Loreto - America 63 1947 - Bern 62 the ower is atteast Mrv. 10 - Below the junction a grill wide, the of Rio Ucayali and Rio Marañon - Rio amazona at it beginning. Recently deposited malerial I mall floating rafts or islands of grass may be seen occasionally. seems more sandy here grayer, with less hume, toreste will ragged. Still plenty of Freadquit. This high ground way Mr. 10 - Purilania, Ris 40165 for some distance along Cemazonas (M. Lotimolz 73" 23 W. month bank. High ground, 10 m. above level of vive, of or don stiff clay, edge of frest. slender sapling 1 m. Rifrahung lepidenthe Per- det. 29069 tall, , com. thick, herbage somewhat dematic. just inside edge of fruit flower, proteinly-laverde. just at edge of fine it nov. 10 Paraiso, Rio amazona. (K. Lolimores) muddy seepy place in cleaning first about about water's edge. erect herb, rays white 19 Ludwigia hyssopijolia (J. Don) Exell

70 frankle a det. Ramamoorthy 1984 - plowers yellow low branched beely flower yellow the 15 1.5 mm array prostrate, flower purplish. 71 Permodium

Freds - Maynes 60 1947 - Hem 64 eact, fromer purple 79077 Stemodia durantifolia (L.) Sw. 73 Fimbristylia _ would tupte ext stightly que - planer white from ite. Eclipta _ on drying mud. arolly - plant linge - prufle Jussiala - flowers yellow. Justine. - plowers orange flower lavende, 30 Helistryium prostrate, palegreen. common on bare drying and Mov. 12 - Punchang just outside I quitas to the scrubby second - growth words on saindy soil on high ground. (106 m. (m) marrhling showle 3 m. 82 Bredomeyera myrtifolia det. Wardach tall fruit green. flowers wale greensh, occasional 34 fruit maron; small tree. small tree, fruits immature, purple above, green below. 85 Passifling verasimas woody liang, leafy in upper part, flowering men base; calyx deep red, corolla and cirona searlet, filaments purple, anthers green, styles red, stigmas

Leveto - maynas 67 1987 - Penn 66 Cinchera fedurenlata smill the safeling , m. call bushy, fruit in mature. (bark rample 8.7 Cenchona pedunculata tree 7 m, tall, 7 cm. thick; leaves dull, freut immatrue, (tack sample). nov. 14 - I quitor inequelarly transfring ingarden should, mitall, flowers white odorless. 39 Firms comment street tree sumpact wunded tree. 6 m. tall, 2 dm. thisly with pendent roots from branches, lactiferous. fig queenish or finding when ripe. 30 50 5 nov. 15 high ground gust of Iguiters 75017 10. sandy sterily soil with low seems growth straggling should flower white, printing common catys red. Spurinter coralline (mart.) de Roon Voschypig det. H. Bedell. 1982 showly tending & sprant, corolla yellow, common caly and spring ned, fruit goen, said to Morrows. - 2 mall tree, 4 m. calf, flowers white. CAMMAN

frets - mayraz 69 1947 - Pen 68 wordy my, Distictella magnullii Hora (HBK) Sandwi. det. A. Gentry 1974 Alother Eream - white. rare in brush Ahrul Jon, tall 94 apodandra loretensis (Ule) Pax & Hoffm. Cocal det. M. J. Huft. 1981 flower green. end & according felaginella. abundant, densely carpeting the ground. ismall tree, flower -white. occasimal struct jon. call. 97 Cephaelis tomentosa oute, bact realet 1 common in yellow; flower - yellow; fruit Eright le nov. 15 - Stayon, alore quites! 304119 73017 W wadside bank. flower fall lavender. 199 Commen, weedy Time of monitors deminant paranting 2910 99 Rynchospung densely carefuting nov. 18 / quitos flowerswhite public park 01 Clerme weed or Polybodium abundant epifeligle on Ficus trunk. prostrate, leaves deep det. D. Wasshausen 1969 Hemigraphis colorata (BI.) Hallier purple, corolla white, cadurous cultivated

Breto. Maynas . 70 1947 - 1-0 -30 109 4 - nov. 20 - Francisco Petras. 710 MO W. deeml growth - - 3 - 1 on Jat I so ght simmation, way will. thank in tell, fer ens fa dan camprah 9101 ray turning red. common in ofsening khowbo 1 m. tall, lactiler "; Contragon Liphocamy flowers of we punty casimon in fourth while office of column white, anther gray. I vin- like, climbing recesioner in bushes, flower blue-wirled, fruit going plealing betweent sinds - the deal down slender showt I m, tall, of your gunia flower and fruit white commen in indergrowth. vine climbing is small 08 thelaginella trees and shrinks, sending common in woods shizopodia down to soil, living on by these even after original connection with ground has rotted away. should, m. tall; freme og gonzalagung and fruit white. Coppean to be a readily - #29127 with shorter deriver spike. 10 Mr. guelrada front adore to from inundated woods or long mores banks are in , flowers 10 Paragonia pyramidata (L. Rich.) Burdet. A. Gentry 1974 white the second the second of anyend from trees

nov 70 - coming by boat from I quitos to Pedas

Observed a phenomenu the origin of which is not at all clear. great stretches of the when the current is strongest, are filled with sticke logis stungs, etc. mostly ling bed and rotting, with your dities of needs grannerte and other million great numbers of fictional fish of all si, or, many very la go, mostly applacently ext fine, listing. and some offer a rimals. The stench of the river was nausealing. This has been foursing bedan for Idays. It was Pucally and it is and is said I'm I'day in extent to have it ... contained him in an indica many dead in the Leople were warred offerially not to drink water from the never.

in commonly thought here that the mumber of dead from in augmenting interestly were as living find with mercy Labrita in enting the lead ones and possessing Thomases. of everel afreculation concote the catastrophe with the earthquetor of nov. I. Some think that a landshide must have received and. miled the most worth the and perhaps released in the mient with the water. The fact that the set old, notting wes, obvious driftens. is against this. nov. 27 - actually the duration of the serious part of this was about 4-7 days. Certain theorie ascribe the origin to darning up of quelradas by slider exilting from the earthquake, then sudden release, drowning animals and muddying water was to suffreate the fish. Probably it is really due to the sudden and monthy-early rise of the wire.

Loreto - maynas 74 a hen was observed to nov. 21 - Transvaal, Pelas cately a 10 inch snake, thick second - growth pech at it a few times, words on slight elevations, then swallow it slowly, formerly cleared for farms. tail first, still alive. 2917 show 1.5 mitall; Miconia nervosa Triana (det. Wurdack (1968) 29111 thyse red, immature common along trails fruit orange, up fruit dat purple, fleshy, both in samo inflorescence nor seemingly intermediate same any cleared trail in wet (12 clidemia hirta (1.) D. Don (det. Wurdack (1968) low shrul; flowers white Clidenia dentata D. D. (det. Wurdack (1968) low shruly flowers white; fruit dull erect; former white. 14 Boneria common weed to same - no wet frest badly disturbed and loggled out, much undergion the tree 10 m. talf 12 cm. thick, 15 Isantin wood rather hand; common flowers vermillion, with yellow hour within, with small projection, without below sinuses.

Lucto - maynas 1947 - Peru 76 shrub 1.5 m. tal. 29116 - fruit immeture. in undergrowth small tree 7 m, tall, lactiferous; flowers pale green. shrub 1 m. tall; Cephaelis rare in undergrowth flowers and tracts - white. miconia lateriflora Cong. (det. Wurdack (1968) stender strut about (m. talf; flowers white rare in undergrowth nov. 22 - lebas, Rio ampigaca with seemed wet reddish clay soil, occasional very large trees gren in seemf growth. but with cedelan erggeld out, trees tall, with canopy of vines. erect, 1 m. tall, 2 spiles 20 Heliconia schemanniana foes, det. 1982 common locally in second growth erect, bracts crange, - red distally. woody vine; fruit recasional in second growth minson. slender showb 2 m. tall; flowers greenish. common should 1.5 km. tall; involuse PSYCHITEIR FOR PROGRAM = SUPER BARGE Hana (M.- ARg.) red, deeply cup-Teyer m common in second growth flowers yellow fruit blue. slender tree 4 m. tale, fruit green. rae in understore; tree 1; m. tall, 16 cm. thick; 29 Cinchena magnifoli 15 Leaves glossy; blower rare and very local while, pagrant; fruits in served growth green anable in size.

Loreto - maynas 79 1947 Pen erect, flowers white. Cephraelin are in undergrowth in second- growth. straight tree 12 m. 27 Couma more rare, formerly common (mortly has been cut out) tall; branches burigantal only in upper part, later very abundant, in seeded growth with pleasant taste, white "leche cashi" gon latex havested for chief. The end down card on sticks, in track to 28 Eastus erect, spiral sterns occasional in second growth Im. talf, leaves conspicuously spiral in anangement; bracks and flowers yellow should 1.5 m. tall; Psychotria poeppigiana subsp. kasa Hana (M.-Arg) Steeperm involuere red, erect, deeplycing shaped, in underbrush. catelling water in rain flowers yellow, fruit blue. evert, in-traveled Im. tall, barlevery in second-growth trugh, with a burning effect on mouth, delayed But lasting to how; fruit orange! fleshy. shrub 2 m, tall; pedices thick the in undergrowth in second glowth. fruit purple black. small tree, trute pale green. in second- growth woods

Lasto - mayras 81 1947 - Pen show zm. call, 29133 Durong flowers greenish white. rare in second growth shrul, carry and rare in second growth corolla bright yellow. shout 1.5' m. tall, 35 Cephaelis involucies purple. rare, in primary tract (plant not thriving) in small offening shoul 2 m. tall, fruit, 16 10000a cf. juruensis Pilger. fact Wardick immature; bladder occasional is primary/roost of leaves introbeted by 37 gereardia

occasional on floor of fruest

38 Pithecellobium lactum (P. "E.)

det. R. Liesner 1982

race in worlds in understor, prostrate, scapes erect, rips Gruit scarlet. slender smalltry on, talf. should am. tall; fruit yellowish. nave in primary woods 40 felaginella occasional along trail in frimary woods. leaves deep bronze-green; ware on wet banks of stream in ravine. reddish, corolla white. 42 MINICHERIA ang zonsela (Higer) Wurdack rare or wet banks of 43 Justicia cemata (L.) Lam. det. D. Wasshausen 43a Pseuderanthemum det. D. Wasshausen evert in talp, flowers rare in wet raving vine; fruit white with rose pinh wings rare in primary forest shoul z m. tall, 45 Tococa quianensis Aubl. s.l. det. leaves with ants inhabiting bladders; flowers white.

Freto - Maynas 83 1947 - Penn shower whilis. During rare in primary frest shoul 1,5 m. tall; Thyre pupli fruit q 200. 48 Belige of aphelandra neurosa T. anders. shousered & lates - lasts rusty ned. - should 1.5 mo tall; from greenish, tigma white, rare in primary fort. mace at afred. should Im, all. Miconia det. F. Wurdack showb 1.5 m. tall, - fruit green. 52 Duraia nave in primary frank small tree with ineqular trunk, ants living in enlargements in trings; flowers white. vine, estensive; bracks reddish; conolly rare in secondary frest yellow. 54 felaginella abundant on floor of second growle word nov. 23 - same second growth wet words small tree, very lastiferous 55 ouma fruit green. "leche caspi" occasional, in votavin later harvested by cutting tree down, laying it across sticks culting ings aroung back to drain and lates which is careful in seaver,

foreto maynas 85 1947 - Peru unbanched a me 29156 1 m. talf; fruit green. rare, edge of cleaning short v.5 m. call, fruit green. verannal should 2 m. Encly 58 Dommera sabiceoides Sch. det. Kirkbrie much branched, rare in wet ravine - flowers weit. at edge of stream. tree 8 m. tall flowers white. occasional in woods slender tree 10 m, tell. 6 Warsherman in woods flowers yellow, enlarged early love rearlet. 61 Cephaelis occasional in woods showl, m. tall; brevisly cous, white. tree 12 m. tall; flowe common in woods white, fragrant, - solla lober valuate. should ris m. tall, Bertiera guanensis occasional in woods excurrently branched; flower white! should 1 m. tall; tracts 64 Cephaelis occasional in woods whitish, flowers longistylous, white. 65 Peperomia epiphytic on tree trunks 66 ving like. erect should 1.5 m. tree 10 m. Tall, rare on side of wel raving rare en side of wet raving

Rosets - Maynas 1947 - Peru 87 86 faml 10. spening, dominated by andropogon, being encroashed upon by Visma, soil a fine white sand caespirtory Acleria common flowers yellow. X rijns in wet place spathe and of a dix Spathiphyllum white (spathe green abundant near stream without) in blower, green in facit. 71 Psychotria of deflexa De al. Killande, rocal struct 1 m. tong fruit billians rare in brush erect; small tufts 72 andropogen dominant in your ground shrub 2 m. Tax 73 fiparina with strong citronella in brush, common ords, fruit dark ned marked will green, delissent inequally when wife opening out the terminally. nov. 23 - Risampuyaen below rebas low margins of river. infundated at this season dense brushy woods 74 Psidium densicomum DC. det. Mc Vough tangled should will smooth dominant at river mango barl fruit immatinguayabillà near mouth of no

Roseto - maynas 1947 - Venn 88 should, they are not Palierunea lion, floringellow, common fruit beaching (and det. Mc Vaugh Pridiren dubia (HBK) mc Vaugh tragled shrub with smooth ball dominant of river margin flower white. near mouth of river vine, great pendent common is brushy margin ummatur. of owner 78 Psidium acutangulum DE. det. Mc Vaugh tangled showl; grayabilla" margin of river and that is inly ofer In the amazon at this! at high water. point and in the lower The system of agin ampigaen there are a parelly farm it for two types of porpoises, a small blue-gray one and I years, then all ander a lærge spintrish me. it & jungle. The Manateer are supposed to occur, but more in resulting is called the lakes. purma". Her the difference between to yellowish a gray bigh and low water may be as much as cay short way is a stratum of When I came here, now. clay mixed with small 20, His ampigace was peobles, mostly aments clear and black. Min! accasionally We are 23 it was mudely wit patcher of white sand. amazon water that more of the "restinga" or high had come from alone ground soils have much humes. through a son value

1947 - Pern same cleaning on restings" Loreto - maynas 95 94 flowers white Boneria 29198 weed on bank above navne 99 Henriettella sylvestris Gleason det. J. Wur dack 1969 tree 8 m. Tall; fruit green. common tree in ravine nov. 25 - Rio ampiyaca 4 below Petas inundated margin of never small tree flowers annon muricata griet la ge prickly small tree shrib; leaves 9 22/1 12 Crataeva benthamic Eichl. - fruit perdent. 03 common show flower white fruit immature. occasional shoul fruit immalure 04 Myrciaria dubia (HBK) McV. det. Me Vaugh flowers whitish. 05 Polygonum partorice na Benth. Retiemer 1981 7. shallow water at mouth of lake outlet tangles shruby Ob Myrciaria dubia (HBK) Mc Vaugh det. McVaugh fruit green, sown, imma-ture (purple and edible when ripe) "camucami" common along margin of vive beads very quistrely, Porpoises are quite common along the lower spart than sea forms. of the river. called "bufeo". come to surgace to breath and show

Loreto - Poten mayor 96 1947 - Penn nov. 26 - Iransvaal, mouth of Ris ampigaen, below Petras, Rio amagnas low bench just above level of Riamazonas, inundated at really high water, wet woodde with dense underbruch edge stender small tree, 4m, tall, flowers common at edge of water. white. small tree 6 m, tall flowers green. edge of river. showl Im. tall - fruit green. edge of river should 3 m, tall, 10 Sommera Sabiceoides Joh det Kiekbride flowers white. common showl 3 m. tall, 11 O calypha cathens pendent, common stigmas was red. Same restingue or high ground with det. J. Cuatre- Langled herby; flowers 12 Polyming Wulfia baccata (L.f.) Ktge. in cleaning exect; flowing green. occasional in cleaning sterile tree 10 m, tall (barls-sample) smalltree; bush white 13 Ktyraz rale in brest

Loreto - Magaza 1947 - Peru 98 unbanched shows l'alicourea subspicata Huller det, Kirkbride, 79216 08 m, all; thryrse rare in sprance unde. red, flowers yellow growth in deep shade fruit ques rare in sparse undergrowth in deep shade above, fevere white. Cephaelis rare on steel slopp in deep shade bracks red, flowers 19 Sanchezia peruviana (nees) Rusby det. D. navine in weedy aleaning yellow. white, fruit purple. 20 labreea common on weedy slope in cleaning skrite ripp prist 21 geocardia / common in shade small plender tree 4 m. tall, flowers nange-red; fruit black, 22 famelia patens I wand flowers duly 23 Manetting adding, prit green. evely clearing, side of native. Pistia stratistes is although the Inca common floating free empire did not come in the were (large plants, down into the lowlands mostly and in the of amazonia, questina grass, etc. along the words are common banks (small plants, down here mostly). sacha = frent or of the frest yacu = water

to be seen seedlings or plants growing in root crotches. Vistig and Eichornia, este the former are abundant, florating in midstreum and caught and reproducing in the gramalote margins. I bre banks are predomin inundated at brigh water, with correquent defensit of silt. Here and there, more expecially on the noth bank, are patches of high ground called "lestingas largery of a red & yellow or grapize clay, ourseimally marying to yerrowish or white rand. The fresh here is of a different composition romthat in the love flats. The soil, after the costing of leaver is hished away, denost tacks humer. It we are usually oscupied by settlements, but the land is only cultivated for a couple of years, then abandoned to finest second growth a "purma" fin is also the system

on the lowlands, but the period is apparently longer. Here the annihol inundation adds 9 fertile silt layer each year, but if the flood comer unisually larly, il may catch the rice, elc. unhamented las in 1947 and destroy most of it. The aystem of cleaning, farming and abandorment of "chacras" results In widespread destruction of the primary frest. Logging out of cedrala and Lovietenia also has a destructive effect. after some days of observation, I have reached the conclusing that wherever the forest seems to be of trees of uneven height, without a well-formed canopy, there has been cleaning, or at least intensive logging. The giant trees that remain are simply ones that it was too shuch trouble to ent down. a great part of the jungle along the liver is of this nature.

Manater are rare and almost confined to laker. Eroendile, an also much more when dant in lakes, especially now, we they have been hunted strennonely for their skins. · Vinanhas or france one common, but found mostly in lakes. another fish, ty the "carners", described by some as a small catfiel, but more from. ably a lampray or hag fire, also is a hazard to swimmers in the river. It is particularly feared by the women as it is popularly believes that it will enter the vaging and Dete inside. There is also a far-fetched story that I will enter the wething and anus. at any rate, it does bite the flesh externally. a gull - like bind with a very long yellow till is common on the water, as is also a tiny one, like a snife but size of a chickade.

107 - umayonas 1947 Brazil Dec. 1 - Caisada, opposite moule 106 P149 64°50'W. 1/ of Rio Caqueta, 1 Rio amagna J. 1 grassy wet pasting invaded it secondgo thickets enert - 6 - 1.5 m. 420 Journey yellowing. in bush in pastur, rare should 1-1.5 m. tall, Couma very lactiferous; flowers dominant in extain white, corolla loves reflexed bushy areas in posture D. Wasshausen flowers noze-purple. 73 Justicia laevilingluis (Nees) Linday nave in troust areas in grass prostrate to according. dominant locally in pastur erest show rm. tall, flower yellow. rare in brush in pasture 31 Trunera 32 Finbristylis caespitose, weak. dominant in wet clay prostrate with ascending 37 Justiaes clares yellow. common in wet clay 34 Laleria organional around edges of cleaning blowers white purple. 35 Justicia comata (L.) Lam. occasional, edges of cleaning heads and involunce & Dishamena common in grass or acculant, excl. 37 Repenning occasional in grass

amazonas 1947 Brazel 108 prostrate, succellent. Pelseroma common on branches of trees commentin pasture brushytree is m. tall, fruit yellow. 40 miconia longifolia (aubl.) DC. (det. Wurdack (1968) common at edge of trucky words 41 Leleny abundant in cleaning evert, flowers pale 42 Scoparia dulcis green. flowers violet. occasional in pasture rare in wet grassy places for plowers white 44 Dirdia common locally in parture 45 Hyptis parkeri Benth. common locally in partur min from a wave of 46 Calopagonium mucunorde. Desv common locally in pasture nomatic; glowers white 47 Hyptis breespes Port 18 folanum stramornisphum Jung. bushes, plowers green 49 Ninsevea race in towning thrichet in pastine should 3 m. tall, with 50 Tococa coronata Benth. det. J. Wurdack 1969 ants in fulls at base common in Thickets of leaves; from pints; around parture fruits immature, blue about the second set shows a m. tall, 51 Psychotria flowers white is gally) common in thister are of

umazonas above Tebbe, mouth pio 110 Decil - enter to Rio Calinda 34050 W. 1 78 flood plain, we dated as high water, water ulterm tany with patche of reeds flat topped; puit immate, 29252 (22000 common, climbing . . i. over wate Costus arabicus L. det. P. J. M. Maas 1983. he in the take the purple with white limb, someth man toll. Policoner semi-seandent should 3 m. Tall; Thyre red common in undergrowth flowers geller, fruitments ommer in morels should in tall, many trunks from base, fruit timature. Dec 2 - 7 inde person a Come y any acas, mangoes, nanges, Codojas. Risamazonas lemons, papayas, mary, Train w. yura, and various cultivated and weedy orramentals, such as land around village Corner, Portulaca, Colours, on rilt plane that yearing juttople amers, rarely flooded. J. gozagpirfolia, Ocimum. rufil, glaverus weed in semi-straded places suct branched not 1 m 28 Crotalaria nitens H.B.K. tall, flowers yellow. weed in semi-shaded places vine; ferver yellow, heel Phaseolies pelosus H.B.K.

115 Imazerias Brazil 1947 114 tranched herb 1.5 m. tall 19272 Jesamun flower pale lavender. Manted vine; flowers Trale 73 Vigna Vexillata (L.) A. Rich. lavender, bed twisted. reced in thistret herb 1.5 m. tall; may red. planted as anamental sterile, very pleasantly 75 Orimum annatic (like O. basilicas) planted as anamental common weed in remishaded places. sterile; leaves marry 77 Coleus marked above. planted as anamental treet 1-1.5 m. tall, ray. 78 Cormos flower purplish - red. weed in open places Albage armatic when - crushed. blesty, flowers crimson, 79 Prtulaca - closed in morning (79 m.) planted in beds as consmented vine; flowers white, 30 Passiflora foetida var. 1. ... to weed in open puter - will basel the of purple. rounded tree ym. tall; 31 ana cardium occidental flower brygness pranted large branched bed, flowers white fruit black. 32 kolanum nagrum t. 33 Erestites hieracifolia (2.) Raf. det. J. Cuatricasas heads greenish-yellow. weed in open places blowers deep yellow. weed in open grassy places very aromatic; flower lavender. 35 Oremum 36 Heliotropium erect herb; flowers lavender.

24237

rare weed v 38 Kolanum common weed

> While above Leticia the aestingar all seem 5 be on the north bank of the river at helicing they an hoth rider. Only is it more were seen on the recen commonly along the south side, at least to well below the Catava, until near Codajas, what appear to be very low north side. These however, are so low that They may not even be the same living, wongh they are not covered! - by high water. He succession in built uplands changes some. what on the Prazilian part of the river. The gramulate stry is still well marked. and stands of Cerrypia and occasionally sien, but the cana hava belt becomes less and less marked: as one goes down the river it

showly flowers eran yellow. shoul in tall, spacely a not banched; flower white.

almost completely disappears, except for occasional small patches of falix. the greium itself becomes more and more rare. None was seen below Codajar. This change in the succession seems to be correlated with an apparent derninance of the cutting away process by deleration . Low . The vegetation in many of the large islands appear quite grang, and practically have are to be seen below the monte. of the the Cagneta in either of the first troop successional stages, seen in distance above Erdage that may have been covered by and train. The river of we is 305 hour.

nights of Der. 1 x 2 noticed a ben phosphoresent animals in river. Iting continuous eight.

amazonas 118 I pla do Carsiro cult. Manihot excelenta Dec. 3 - Eurorio , with W (13) fassiflera st. bank of his un agena. mangifica indice just the work with ining papaya salt clair high enrigh fer mays to be narely if ever flitted. Educas of he here cleared and in cultivation acalypha weed in panhot patel white of flowers common weed in door go of and orling pather, ed "... 91 Stemodia parviflora Paiton vil. prostrate, flowers lavender. The change from the Dominant weed do !! muldy thinky water The frame conjugation of the Red imagines to which is alto call by those of the kin negro attle. is as striking at it I me of principal pro. has been described. is farinha, pro The difference is the liter of Ris 7 pm up died thanilol i'm tourted. Tast water implyetly mixed with souls, etc. willy threed in amazoner are clearly white. The Ris Negro is typical The region on the east Cearbon swamp and of the Kin negro water, as seen in the is very high resting. of the new Jersey pins banen. freshaps your. will I get It gives an astonishing pink eliffes above in river. The debris at its impression of purity, efter weeks of the amazon. bottom from a hand, Corpores (small gray) when serping beach, that do Jelaying in it near mouth not form a mand to diety they reme

Para 125 1947 - Brazil 29307 Tococra? aublit (det: Wurdack (1968) low struly; fruit ned. emmen in undergrowth low shrule, fruits Psychoting green. flowers white. fruit hed, thyrse green. rare in undergrowth 09 Palicourea rare in undergrowth 10 Tuchomanes 11 Pliper floor shrub 0,8 mitall; - frank green. Frank; flowers green. forest floor 12 Carludovica elimbing on treetunk small flat topped tree 13 Ho Kinned / 3 m. Talf. common in undergrowth shoul 0.7 m. tall; 14 Cephaelis heads and brack, purple rare in undergrowth sufferte seent how; 15 Cephaeliz flowers whitief. cor men in undergrowth "shoul 4 m, tall, 16 Casearia flowers white with occasional in undergrowth rose much certain sub-straig, buds 17 Cephaelis only. rare in undergrowth yellow 13 Leipharmos Piper in duff of Great floor substrul, fruit green 19 Puper O ilas substrut 20 Piper 11 Pritapya rostrata (Humb. & Bongeled Prest det Lellinge, fronds erect a ascending "fremered strizone. common in undergrowth, fronds ascending from ever thizoms. occasional in undergrowth vine-like, flowers red on trendent inflorescences. 23 Marling exceined? epilolytic on the trunk

127 Para 1947 - Mrayil. 126 should Im. tall 29324 Piper 25 factia occasional in forest tree 40 m. tall; fruits fle by definent touchaira" milley saf (next of plant not tactiferous 170 5 AV 11 W Dec. 3 - aqua Preta (Urtinga), 5 mi. n. of Belen. weedy patcher and det Lillinger frands very erest. desikeating fronds. 26 Blechnum serbulatum L.C. Rich common at edge of desircating caefiton, erect. 27 Khynchospag common in mud of proof milly vine; flower 33 Mandevilla yellow with red throat. common on stone wall latiferous wine, flowers white. common on stone wall flowers white purple. 30 marsypianther byptoider 31 mospathe sagistifolin (Rudge) feliate never sapathe tronge green in middy pool flowers violet with white center 37 Tetraplacus tauberti Mez. det. D. Wasshausen 1961 abandoned garden yellowing white. fare ground 34 + rinena common in desicating foods flowers yellow. dessetting pool.

Para

133

branched showbs 1-32 tall, varying in leaf sixt puberkcine, and in whether is not valves of fruit split at apex, and sometimes both entire and split i alres in same capsule.

Dec. 5 - Belterra, Ris Tapajoz va. mi. above hantarem weed in open ground in rubber plantation

prostrate, heads greenists.

grazina complaina 135 ner passed a clerce layer of a loud i me Cost against the flanker of the mountain. Intly big lagron shelween the west end in off the Lieng the range were turn A willage fruit out in the water, matilta, with me contact extraterer -with dand. In the lange, on were well over 100 houses perhaps . mil. failing canner cery the means of transportation There are extensing -mangrove wanter around this lake.

137 1. 7. 1947 - Mexico 136 Exminancet showing Dec. 13 - El fed e gal, about 7400 24 a fleshy- ate money pirecio 10 llm. a. f. Thereich fit, Wigandia of the Lines Duy lava flow, sufre malle etc. dais and chintery, -with seraginella prostrate forming patches in bac defing the spreading suffriterent -herb, planer tothe blue-land commy (very strong nausciting 50 Prophyling order the ever deep yellow communest tento in spenting evitted markings - proud a less developed Trud de mer of angele. stems flesly, leaves very common sted from mint individual at this reason, the blads yellow. -2 hour 2 / m. Lall, 52 Wigandia young portions of edraman - I cam with stinging lain, fore lovel fraks glandular! one - tranch glandular to inflaterene all stret, from same plant flowers purple. 2500m. est. Dec-13 - Lan andres, 16 km. 2. of Mexico City dy volcanie slote, weedy. prostrate Tangled. galium det. D. Wass- suffritersent hert, much branched hausen 1969 at bas, branches event: blowers scarlet, som Loeselia mexicana (Lam.) Brand.

139 1917 - Magics 138 Dec. 15 - hills about ian by 200 m. 25%. 1 o lom. s. of mexically. dry volcanic slope weing redges of continuented y would avind side, etc. fleshy, stems bunks Lecturan fruplish, not fascicles. occasional willy place flestry followers white - with funte tipe to yetal. - much branched at bay and 56 Hypercum Security of well of the wat yellow, from 57 galium stender buyone, occurring, moring was, frant prostrate langles. and toal cut. bur by suffriterent. 5% for in lavandulordes dunth armatic-berg, attema erect; francis blue-violet. ered ray while. det. G. Cuatrecasas 59 Eig - M deale of seened, wining CHANNENT - reducing. realize reclining 60 alchemilla occasional plant weal; flowers finds. occasional our bing my with dry news. 12 felaginella column in watery files the tall; flowers white. 1) triemes sonting ever more clary big bury Dec. 14 - Selva Oserra, km. 65 on high pan Pine Great prostrate, metter. common on earth brents

Puebla, Julago 141 1947 - Mexico tree 5 m Call, print green. 29365 Cratarque inner along raving 80 m. 2il Dec. 17 - Warm. Mountain west of apaparticle 20°20' N wet indge with seend 97055 101 diana, print y in 66 gorano (CHANNELLA selver 1.5° m. Till. 67. Piper spelle, eret in made grants, At a mall tree 5 mm al leaves budy queles fruit Chen why immature. a long ato suffrulescent In The 1.5 m. Call; flowers and. nad in undergrowth 70 Chyllandius 71 Boneia lacris flower white 72 Hedyotis Tail, common assending to every flower white. common weed along to soil every routs flexly, flower yerrow. rane weed along trait struction. Tall; fire of 74 Hamelia gratery Mary - red. nae in found Dec. 17 - Canyon alove Tulancing 2500m. e.J. 20 hm. e. of Pachuer, Hidalys slope of rather unveatherd. fine, wolrding luft flowing white. 75 impalvium

143 Falalys 1997 - Mercit try 4 m. Tall Prudel Laig ピグイアンレングン langed durant, showler; 77 Walson filowers deep rose- purple. 2/VM-WIN - prostrate, grant - forming. 73 Parry Cria - Minding Brimerin fremen lande. CHRONING Dec. 17 - Heredia 5 hm. w. of Telocotal amount day, 17000 Parlinea - Tunian road. Pine boxest (Pines # 29391) quest at place, flower, white. 80 Lagina in ravins, was atream pita. entre tree 14 m. tall, 25 cm. thick, 31 Pinns leaves constrictionsly drooping common, also planted for reforestation rearry. afrancing be by flower 37 for alegans Vahl sealet. occasional order paragraph = 2000 83 acaena elongata L. cover more along amount at the post ate, flower 84 alchemilla commenced in sound changerings - train 9 ----power ate 85 Day marin or would ig at y common in viud of mall = the grante fruit blad, fran 86 Galiana na in mud along 2 mill - Then

Hidalgo 146 947 - Mich Co 97 Lativia reflexa Hornewi det. Ramamoorthy 1984 flowers pale lavende nave, between works exet, very aromatic 99 artemisia common in rocky ground wunded frush 1 m. Khammes - con Cl, fruit brownish and common france pale yellowing 01 Resided stong wad Dec. 19 - Hills just west 20°3:1 W Tasquilles, above Tula Wiver, 99° 20' W. Panamerran Eighway, Vidage (0.11) welly cucture covered. or acceptant of a great. Just trate gray; flowers white 04 felaginella volly franks and enevier rometter tending to end uf with, dryvers. simile 1.5 m. Call. common struck spreading flower purple. suffritered her, 07 azelepias linfolio det Spilman, 1978 dincely each itory; oracional flowers white. 08 Cheilanthes common in roch a revise, Chailanther - me in more he revice, spreading, flowers blue. 10 Evolvalue rare in opinground between show 15 m. tall; fruit yellow, 11 Celtis pallida

1947 - Pane xx 20 148 Hidalgo 149 ficere - white Dogmania 29417 Dec. 19. Kirmela, sidely 1745 ---in y would. 1800 m. Cxx. Taxadian mucienalum enouncertice, about 15 cm. tall 4 m. the reghat base, Dec. 19 - Barrenca de los 2004 ... V Magnoler, mountain, 9:02010. secretily terrificant (fines Corpressed) fourt on linestone after. 73001 14 Entre 22002 annollture 5 mitsell. ore of oleminant tree. - translicts pendulous. 15 Cuples ent; plower rich pulls. Commenter or six for between the Dec. 19-20 - mountain a les furt of facilities, five westerna 900 m. cax. 21° N 99'10'W. 16 Alexand Schlecht. 81. stemb. 1.5 m. tall; flat mertile, cuite, yellow, mining 17 Be be in tul spaniely - haveled accasing in franch show you, tall inner bank yellow, fruit green. 18 Pers peliedeana Schlecht. or struct mitall, flower cirringa -white or. 19 Croton should oil m. talf. common tall shoul, i micail, dreit It Dockment viscosa

1717-1---150 The man was 151 7947-1 Klerman Line State of the second さんかしつかしいっ was the second of the second TO THE STATE OF THE STATE OF THE 13 Jeanson min and the first and the track of the contract of - common Schiedeana Schlecht. 9 --------211721111111 25 Loto Hedron A - it, There purple recommended no Foldlia flower fourthers -1-12_A HI Hi schiedeana Schlacht. 9 Low show it, per white, fruit in matien, fragmen untillacant privatiate, any enange, CAN Wage disto track. 19 falmin showling bert 1 m. long, followers there- world. as inopenings should 3 m. tall. common inthreshets 31 Cartilleza calry green bracts - me infrenings e carlet distally Il Emphoror 1. ostrate in burned afast 34 maps by big prostrate commin in bound fort 34 mystracting greaten G - war man in the red - pot

152 1997 - 5/12 50 3 H- 153 1 - militaria de Promo garabano, como . 21025/11 is medifical please that we war so, the sound 98 50 W. in the second of the second of the to mor was rice a hora have a mil. in the second of Bry meting trees west regar 25000, 627 of well at front of well. at white the tall, spiles 29435 1-6common at unger of frantation 36 taranea showle vision, tall, shaded fruit not quite mature 17 Psychotia " wals show I'm. Long; common in selege of plantation right fruit red, rightand det solvener de Chemissoa altiesima var. allessima 1956 (Gazz.) HBK of son both in same inflorex eno ving, sprawling in other exetation 37 Previous clorgate from culm. accasional in a hook 40 Oplianences betern prostrole, sprike, arcending formation peting yound -ci- plantstin arrending; metals 3, common under tices pleases white, fruit red. 42 Riving humilis occasional along was 43 Chyllanthu should 2.5 mm. tall. common at edge of plantalin 44 acalypha ed them on roadside

Jan. 10 - trip try U.W. K.R. through valley of Flatter. to noth Patte, og salata Julesting, I didney, etc. The commency see - it The service of the trans e. I' a mend frances and aling in terms The low munded continuent the Landbille lie intled distance to the month. as mother in approached The Eins of the Plather to be Leen. The worthon-lands ine dominated by cottenworth and Erw redding erry that may be willow or dermi, proposed williams The general color in a rich towny yellow in the men, with patcher of old nore died and ofregen Wheat and con feeld, aretho olderinent feature. The complete seach of anon is

In extreme western neogasha the railway wens through a rain with down being of flat sedimentary beds with a sparse vegetation of small Eastern Wyoming isterne garsland, with mornes. 27 seems completely towns. There is still no snow except in the Con place. Still west of here, but east of Lahamie, is a region that is alwest a prereplain, Erw ochy outerops with expanses of allivium between them. The accurium is grassland. The rock skrobs are spærse skribby prine frest. The rosh seem to be a course red granite or arrive . The web. and the fring Erecone more abundant an we climb to the evertual:

PLANTS OF PERU

Dept. de Loreto

Det.

PEBAS (Pevas), at mouth of Rio Ampiyacu, on Rio Amazonas, Prov. de MAYNAS

Cocurrence

Lat. 3010'S. Long. 71040'W.

Occurrence

Lat. 4010'S. Long. 71040'W.

Pet woods en "nestica" or high ground wood on along rivers clay soil or mixed and and clay

Date Nov. 20-24, 1947 Alt. 100 m. (estimated)

Coll. F.R. Fosberg

No. 25207

Remarks

Remarks

Lower white.

1947 Cinchona Expedition

PLANTS OF PERU

Dept. de Loreto

Locality Transvaul, below

PEBAS (Pevas), at mouth of Rio Ampiyacu, on Rio Amazonas, Prov. de MAYNAS

Occurrence for level of Ris amazonas Africanduted at Met woods en "resting a" or high ground work densefunder growth along rivers, clay soil or mixed sand and clay

Date Nov. 20-27, 1947 Alt. 100 m. (estimated)

Coll. F.R. Fosberg No. 29207

Remarks plender small tree, 4m, tall; flowers white.

1947 Cinchona Expedition

PLANTS OF PERU

Dept. de Loreto

Locality Transvaal, below

PEBAS (Pevas), at mouth of Rio Ampiyacu, on Rio Amazonas, Prov. de MAYNAS

Occurrence per fate and or high ground with dense under ground with dense under ground along rivers, clay soil or mixed sand and clay

Date Nov. 20-27, 1947 Alt. 100 m. (estimated) Coll. F.R. Fosberg No. 29207 Remarks sander small tree, 4m. tall;

flowers white

1947 Cinchona Expedition

PLANTS OF PERU

Dept. de Loreto

Locality Transvaal, below

PEBAS (Pevas), at mouth of Rio Ampiyacu, on Rio Amazonas, Prov. de MAYNAS

Occurrence of his another of high ground used dense under hush along rivers, clay soil or mixed sand and clay

Date Nov. 20-27, 1947 Alt. 100 m. (estimated) Coll. F.R. Fosberg No. 29207

Remarks sender small tree, 4m. tall;

flowers white

1947 Cinchona Expedition

PLANTS OF PERU

Dept. de Loreto

Locality Transvaal, below

PEBAS (Pevas), at mouth of Rio Ampiyacu, on Rio Amazonas, Prov. de MAYNAS

Occurrence above level of Roy affection of fine dated wheely wet woods on "restinga" or high ground with dance underly along rivers, clay soil or mixed sand and clay

Date Nov. 26-27, 1947 Alt. 100 m. (estimated)

Coll. F.R. Fosberg No. 29207 Remarks slender small tree, 4m. tall; flowers

1947 Cinchona Expedition

PLANTS OF PERU

Dept. de Loreto

Locality Transvaal, below

PEBAS (Pevas), at mouth of Rio Ampiyacu, on Rio Amazonas, Prov. de MAYNAS

Occurrence of this amondo, mineral at well highwater wet woods on resting a or high ground with dense under high

along rivers, clay soil or mixed sand and clay Date Nov. 26-27, 1947 Alt. 100 m. (estimated) Coll. F.R. Fosberg No. 29207

Remarks slinder small tree 7 m. Tall;

flowers white

1947 Cinchona Expedition

PLANTS OF PERU

Dept. de Loreto

Locality Transvaal below

PEBAS (Pevas), at mouth of Rio Ampiyacu, on Rio Amazonas, Prov. de MAYNAS

Occurrence level of Rivarians, Winnerdated at Nestylight wet woods on "restings" or high ground with during the

along rivers, clay soil or mixed sand and clay Date Nov. 20-27, 1947 Alt. 100 m. (estimated) Coll. F.R. Fosberg No. 29207

Remarks plunder small tree, 4m. tull;

flowers white

1947 Cinchona Expedition

PLANTS OF PERU

Dept. de Loreto

Stachytarpheta

Det.

Locality Environs of

PUCALLPA, on Rio Ucayali,

Prov. de Coronel Portillo

Lat. 8026'S., Long. 74036'W.

Occurrence Common along roadsides

rain-forest region, benche wat keep slopes,

BOWNS KHICK

Date Nov. 1, 1947 Alt. 180 m.(estimated)

Coll. F.R. Fosberg No. 28922a

Remarks Erect much branched herb 1 m. tall; flowers lavender.

In wit 28922.



